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(43) International Publication Date
8 February 2001 (08.02.2001)

PCT

(10) International Publication Number
WO 01/09187 A2

(51) International Patent Classification⁷: C07K 16/00

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(21) International Application Number: PCT/US00/20272

(22) International Filing Date: 25 July 2000 (25.07.2000)

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(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/146,313 29 July 1999 (29.07.1999) US
60/188,539 10 March 2000 (10.03.2000) US

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:
US 60/146,313 (CON)
Filed on 29 July 1999 (29.07.1999)
US 60/188,539 (CON)
Filed on 10 March 2000 (10.03.2000)

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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Published:
— *Without international search report and to be republished upon receipt of that report.*

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HUMAN MONOCLONAL ANTIBODIES TO HER2/NEU

(57) Abstract: Isolated human monoclonal antibodies and antigen-binding portions thereof which specifically bind to HER2/neu are disclosed. Also disclosed are bi- and multispecific molecules including human monoclonal antibodies and antigen-binding portions thereof which specifically bind to HER2/neu. The human antibodies can be produced in a non-human transgenic animal, e.g., a transgenic mouse, capable of producing multiple isotypes of human monoclonal antibodies by undergoing V-D-J recombination and isotype switching. Also disclosed are pharmaceutical compositions comprising the human antibodies, non-human transgenic animals and hybridomas which produce the human antibodies, and therapeutic and diagnostic methods for using the human antibodies.

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